

25. The electrode of claim 24, wherein the electrical current collector (a) comprises copper or aluminum in the form of a mesh, sheet or foil.

26. The electrode of claim 24, wherein the electrode comprises a positive electrode.

27. The electrode of claim 24, wherein the electrode comprises a negative electrode.

28. The electrode of claim 24, wherein the film is cross-linked.

29. The electrode of claim 24, wherein the electrical current collector is pretreated with a pretreatment composition.

30. An electrical storage device comprising:

- (a) electrode of claim 24;
- (b) a counter electrode; and
- (c) an electrolyte.

31. The electrical storage device of claim 30, wherein the electrolyte (c) comprises a lithium salt dissolved in a solvent.

32. The electrical storage device of claim 31, wherein the lithium salt is dissolved in an organic carbonate.

33. The electrical storage device of claim 30, wherein the electrical storage device comprises a cell.

34. The electrical storage device of claim 30, wherein the electrical storage device comprises a battery pack.

35. The electrical storage device of claim 30, wherein the electrical storage device comprises a secondary battery.

36. The electrical storage device of claim 30, wherein the electrical storage device comprises a capacitor.

37. The electrical storage device of claim 30, wherein the electrical storage device comprises a supercapacitor.

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